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USE OF TRAINED INTELLIGENCE ANALYSTS

SOURCE Documentary as indicated. (Information specifically requested.)

RECENTLY PUBLISHED RESEARCH OF THE
STATE INSTITUTE OF PHYSIOTHERAPY,
MOSCOW, USSR

"Effect of Ultrahigh Frequency Electric Field on Inflammatory Reaction: II. Changes of Tissue Respiration of Inflamed Tissues Under the Action of a Ultrahigh Frequency Electric Field," I. A. Piontkovskiy, Pathophysiol Lab, Pathol and Anat Sec, State Inst Physiotherapy, Moscow

"Byull Vsesp Biol i Med" Vol 18, No 4/5, 1944, pp 35-7

Experiments made with white mice. Tissue respiration investigated 1, 2, 3, 4, 6, 9, and 12 days after beginning of inflammation; manometric method of Warburg employed. During the time interval used, animals received from 1 to 10 treatments. Coefficient of tissue respiration (oxidation and glycolysis) changes when inflamed tissue is submitted to action of an ultrahigh frequency field. In the first 1-2 days, coefficient of glycolysis increases, while coefficient of oxidation remains about the same as in respiration of inflamed tissue which has not been submitted to action of the ultrahigh frequency field. From 4 to 12 days from the beginning of inflammation, tissues, which have been submitted to electric field, have coefficients of oxidation lower and coefficients of glycolysis higher than inflamed tissues which have not had this treatment.

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